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also in the anticipation that other important steps in mathematics may be made by the help of Sir William Hamilton's imaginaries. I hope before long to be able to furnish the Academy with some reply to the questions here suggested.

Rev. Samuel Haughton made some observations on the Rev. Dr. Graves' paper.

Rev. Humphrey Lloyd, D.D., read a further communication "on the magnetic influence of the Moon."

The President and Rev. Samuel Haughton made some remarks, eliciting explanations from Dr. Lloyd as to the analogy of the magnetic phenomena described by him, to corresponding phenomena connected with the tides.

In the absence of Edward J. Cooper, Esq., his Paper on "Ecliptic Catalogues" was read by the Secretary:—

"Having completed the catalogues of ecliptic stars observed here during six years, it occurred to me to employ a few holidays, which I gave myself after the publication of our third volume, in examining some of the general results deducible from them, and comparing these results with concurrent meteorological phenomena. My object was to ascertain the soundness of a preconceived opinion, that the records of the state of the weather are useless as a guide in estimating the most favourable periods of the year for astronomical observations. To the investigation I added a search for any striking facts that might appear during the course of the work, in which Mr. Graham has been the principal performer, in the capacity of an indefatigable observer.

"The mode of proceeding which we originally adopted was, as is stated in the Introduction to the first volume of 'Ecliptic Stars,' one which we considered the most likely to